



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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July 16, 1999

TO: Minerals File

FROM: Anthony A. Gallegos, Senior Reclamation Specialist *aa*

RE: Site Inspection, First Corp of the Presiding Bishopric, Little Cottonwood Quarry,  
S/035/017, Salt Lake County, Utah

Date of Inspection: July 7, 1999  
Time of Inspection: 1415 - 1608  
Conditions: partly cloudy, hot  
Participants: Greg Baptist, Salt Lake County Public Works Department; Dallas Orchard,  
Idaho Travertine Company; Wayne Hedberg, Tony Gallegos, DOGM

Purpose of Inspection: To examine the current operations and surface disturbance

The inspection began with a brief meeting with Greg Baptist a Grading Inspector for Salt Lake County. Greg has been monitoring the operations since they began active quarrying. He gave us a general overview of the current operations using the most recent project map which included his projections of the current disturbed areas. This map was last revised on February 12, 1999. Greg pointed out that the end of the upper road section was actually put in at a lower elevation than shown on the map. This change in the road was made to avoid crossing a slope greater than 50%. He stated that he thought the county might allow them to remove boulders outside of the designated area, provided they could drag (via cable, or other means) the boulders back into the work area for drilling, etc. The county has not allowed them to work on boulders outside of the work area, or boulders which are within the current 1,000 foot buffer zone.

Greg mentioned that the County has not been regulating/reviewing the activities within the boulder field because they do not feel that is within their expertise and they are relying on the Division regarding the quarrying area and the safety reports regarding the stability. He explained that the firm AGECE was reviewing the stability of the boulders in the "slide area" on a daily basis and providing the county with stability or safety reports (weekly?).

Anderson Engineering was currently on site to survey the borders of a 750 foot buffer zone to be proposed to the County as a revision to the 1,000 foot buffer zone currently approved. This modification would allow the operations to work on the boulders below the current work area. The granite boulders being quarried contain fracturing or red zones which make some of the material

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unacceptable for the desired product. They are finding that they will need to mine more materials in order to obtain a sufficient quantity of the acceptable grade of granite.

Greg informed us that the culvert locations were changed from those shown on the initial drawings. These new locations were chosen to achieve the desired erosion and sediment control. A chain link fence has been erected around the staging area near the road and the orange safety fencing has been moved out somewhat (along northwestern boundary?) to provide a larger buffer zone around the boulders presently being worked on. Greg and Dallas explained this was done mainly to keep climbers from being too close to the active work area. Greg left the site after our discussion and before we entered the active mine area.

We next met with Dallas Orchard, the Project Manager from Idaho Travertine. Dallas described the operations and escorted us to the upper portion of the site. Workers were drilling granite boulders and hauling boulders down during this inspection. A water truck was wetting the lower portion of the road. Dallas explained that their ideal size for the granite slabs is approximately 54 inches square. We walked to the end of the upper road and could see the orange barrier fencing approximately 30 feet beyond the end of the road. Photos were taken of the project area from several different vantage points. A GPS unit was used to locate a UTM coordinate point at the project site. While signing out at the staging area near the highway we heard one of the blasts used to split the boulders. It sounded like a loud high powered rifle or like the small cannon they shoot off at football games. The narrow canyon did seem to amplify the sound. We felt no ground movement or shaking.

In conclusion, a rough visual estimate of the disturbed area would be 2 ½ to 3 + acres. The project does not appear to have exceeded the five acre limit of disturbance, although there are minor deviations from the approved proposal within the disturbed area. These deviations include the different road alignment, different culvert locations, and the different location of the safety fencing. The Division will need an updated surface facilities map showing the current, as-built surface disturbances.

cc: Kerry Nielsen, Project Architect (1<sup>st</sup> Corp Presiding Bishopric)  
Greg Baptist, Salt Lake County Services and Development  
Mary Ann Wright, Associate Director









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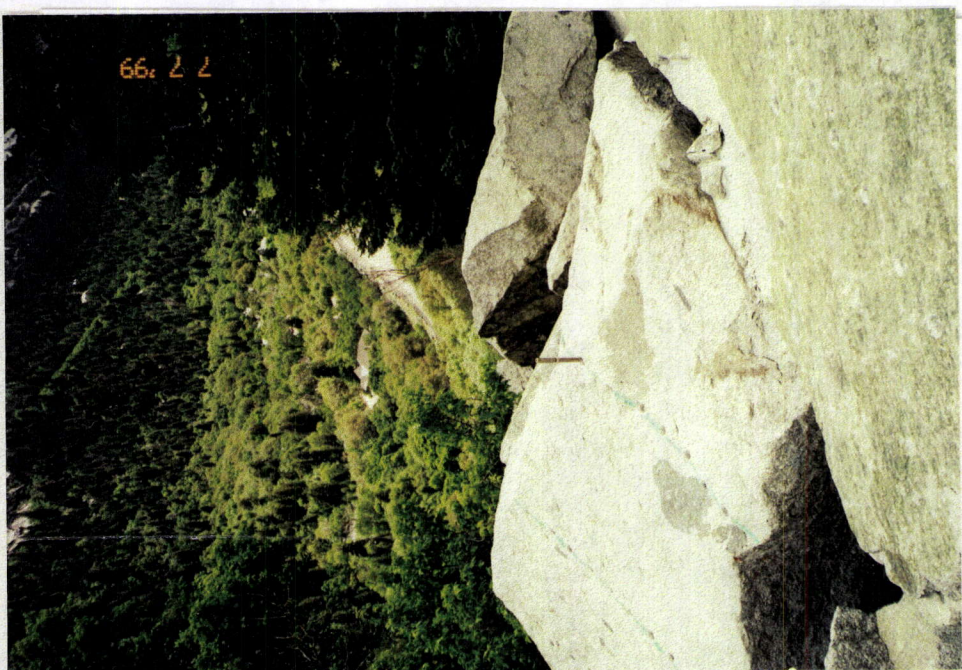
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